

FORM PTO-1390 (Rev. 12-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney's Docket Number TIP0016 US
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>			U.S. Application No. (if known, see 37 CFR 1.5) <b>10/518525</b>
International Application No. PCT/EP2003/050280	International Filing Date 30 June 2003	Priority Date Claimed 1 July 2002	
Title of Invention New Mutational Profiles In HIV-1 Reverse Transcriptase Correlated With Phenotypic Drug Resistance			
Applicant(s) for DO/EO/US Hilde Azijn, Marie-Pierre De Bethune, Johan Hendrika Jozef Vingerhoets			

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau), as well as the Published Application No. WO 2004/003223 A2
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) has been filed in the PCT Request (Rule 4.17 (iv)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Certificate Under 37 CFR 3.73 (b); Power of Attorney; PCT Notification of the Recording of a Change; Return Receipt Postcard & Express Mail Certificate

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/518525</div>		INTERNATIONAL APPLICATION NO. PCT/EP2003/050280		ATTORNEY'S DOCKET NUMBER TIP0016 US											
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 <div style="text-align: right; margin-top: 5px;"> <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b> </div>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Applicant use</th> <th style="text-align: left;">Office use only</th> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td><b>\$1,000.00</b></td> <td></td> </tr> </table>		Applicant use	Office use only	\$		\$		\$		<b>\$1,000.00</b>	
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.															
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE												
17 - 100 =	/50 =		x \$250.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$									
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE												
Total claims	10 - 20 =	0	x \$50.00	\$											
Independent claims	10 - 3 =	7	x \$200.00	<b>\$1,400.00</b>											
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$									
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$									
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<b>SUBTOTAL =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>\$2,400.00</b></td> <td></td> </tr> </table>		<b>\$2,400.00</b>									
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$									
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<b>TOTAL NATIONAL FEE =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>\$2,400.00</b></td> <td></td> </tr> </table>		<b>\$2,400.00</b>									
<b>\$2,400.00</b>															
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$									
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<b>TOTAL FEES ENCLOSED =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>\$2,400.00</b></td> <td></td> </tr> </table>		<b>\$2,400.00</b>									
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Amount to be refunded:				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="background-color: #cccccc;"></td> <td>\$</td> </tr> </table>			\$								
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Amount to be charged				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="background-color: #cccccc;"></td> <td><b>\$2,400.00</b></td> </tr> </table>			<b>\$2,400.00</b>								
	<b>\$2,400.00</b>														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>10-0750 / Tip0016 US/AGK</u> in the amount of \$ <b>2,400.00</b> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>10-0750</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> </div> <div style="width: 50%; text-align: right;"> <p><i>Alana Kriegsmann</i>            SIGNATURE</p> <p><b>Alana G. Kriegsmann</b>            NAME</p> <p><u>41,747</u>            REGISTRATION NUMBER</p> </div> </div>															

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:  
**Philip S. Johnson, Esq.**  
**Johnson & Johnson**  
**One Johnson & Johnson Plaza**  
**New Brunswick, NJ 08933-7003**  
**USA**

10/518525

DT12 Rec'd PCT/PTO 22 DEC 2004

Express Mail Label No. EV 488 942 047 US  
Docket No. TIP-0016-US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: AZIJN, Hilde et al.

For: NEW MUTATIONAL PROFILES IN HIV-1 REVERSE TRANSCRIPTASE  
CORRELATED WITH PHENOTYPIC DRUG RESISTANCE

Express Mail Certificate

"Express Mail" mailing number: EV 488 942 047 US

Date of Deposit: December 22, 2004

I hereby certify that this entry into the National Phase pursuant to 35 USC 371 contains complete application:

<input checked="" type="checkbox"/>	Express Mail Certificate	(1 page)
<input checked="" type="checkbox"/>	Return Receipt Postcard	(1 page)
<input checked="" type="checkbox"/>	PCT FORM 1390 Transmittal	(2 pages & copy)
<input checked="" type="checkbox"/>	Copy of International Application as filed	(17 pages)
<input checked="" type="checkbox"/>	Power of Attorney	(1 page)
<input checked="" type="checkbox"/>	Certificate under 37 CFR 3.73(b)	(5 pages)
<input checked="" type="checkbox"/>	Preliminary Amendment	(6 pages)
<input checked="" type="checkbox"/>	PCT Notification of the Recording Of a Change	(1 page)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee; service under 37 CFR 1.10 on the date indicated above is addressed to the Mail Stop: PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450..

Laurie Phillips  
(Typed or printed name of person mailing paper or fee)  
Laurie Phillips  
(Signature of person mailing paper or fee)